Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd & Part Bill Date.....

Division: **BBMP, Dasarahalli** Sub-Division: **Shettyhalli Sub Division**

Bill Received No. Dated Divisional / Sub Divisional D.R.No. : Cash Book Voucher No..... Dated..... Schedule Docket No. Head of Account:

Est.Cost: 150.00 Lakhs

Name of Work (as per sanctioned estimate) :	**Construction of CC roads at Medarahalli colony in ward No.12, Shettyhalli Sub-division in ward No. 12 - Shettyhalli.**
Name of Contractor and Full Address :	**M/s Technical Manager (West), KRIDL No.280, 59th cross, 17th C main road, 3rd Y Block, Rajajinagara, Bangalore 560010.**
Reference to Agreement No	**EE / DD / WO / / 19-20 dated :**

Certified that the measurements were taken by me on 08/03/2024 and recorded in Pages 486704 to 486805 of measurement Book No. 4868 | 19-20 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 056

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 8/3/2024 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment **Work Code: 012-20-000011 (P-code: P3727)** **Sub-Division Officer**

73) Total value of work done or supplies made as per account within
74) Deduct amount to be held in reserve being .....percent Rs.....
75) " Balance
76) Deduct Payment:
  a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of
  b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.
77) Balance being unpaid value of work done held in reserve.
78) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
79) Net amount due to or from Contractor adjustments items.
80) Advance to Contractor for materials brought to site (as detailed) within.
81) Value of Government materials supplied.

Bill Amount → 145 60864 = 00
1st and part Bill → 8350876 = 00
2nd and part Bill → 6209988 = 00
IT → 124200 = 00
LWF → 6200 = 00
CST → 6210 = 00
KSA → 310499 = 00
Roy → 7285 = 00
CGST → 52446 = 00
SGST → 52446 = 00
Total → 8000 = 00
695186 = 00

Total amount adjusted

Net Amount → 35514802 = 00

Contractor's Signature

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 056

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Audited and admitted for Rs. 6209988 = 00 (For use in the Office)

Passed by Cheque for Rs. 5514802 = 00

Stamp (Rupees Five Lakh, Fifty one thousand Eight Hundred two only) 5514802 = 00

By adjustment No. 695186 = 00

Accounts Superintendent Executive Engineer

B.B.M.P. Dasarahalli Division

Sl. No.	Description of Item
1	Removing B.S. slab of Drain and stacking etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
2	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1. 00 km and complete as per specifications. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
5	Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, withsuperplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
6	Providing TMT steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
7	Dismantling of existing structures like culverts, bridges, retaining alls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
8	Removing and resetting of footpath slab etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
9	Providing ruled pointing 20 mm deep to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints nicely lining, including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.

Unit	Previous Measurements		Present Measurements			Total up to date	
	Qty	Amount	Qty	Rate	Amount	Qty	Amount
Sqm	479.93	50,363.85	0.00	104.94	0.00	479.93	50363.85
Cum	0.00	-	337.75	43.46	14678.62	337.75	14678.62
Cum	1053.74	144,362.11	62.53	137.00	8566.61	1116.27	152928.72
Cum	157.97	902,795.24	18.12	5714.97	103555.26	176.09	1006350.50
Cum	255.48	1,475,497.59	49.76	5775.37	287382.41	305.24	1762880.00
Tonne	15.33	1,108,690.37	4.51	72326.98	326194.68	19.84	1434885.05
Cum	15.34	6,341.56	0.00	413.40	0.00	15.34	6341.56
Sqm	684.41	142,918.50	0.00	208.82	0.00	684.41	142918.50
Sqm	684.41	33,577.15	0.00	49.06	0.00	684.41	33577.15

10	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges , curing and concrtee finished surface on both sides etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
11	. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
12	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
13	Scarifying kankar / gravel / metal crust by mechanical means upto 150mm thick, disposal of stuff including cost of all labour charges, HOMetc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
14	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
15	**CONCRETE PAVEMENT KSRRB M600- Cement Concrete Pavements** Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates 0.58cum over a prepared sub- base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1 ,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a hatching plant, transported to site,laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 -do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
16	Providing, laying, spreading and compacting Crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.

Sqm	730.98	1,180,532.70	0.00	1615.00	0.00	730.98	1180532.70
Sqm	2059.20	85,127.33	0.00	41.34	0.00	2059.20	85127.33
Cum	0.00	-	96.05	952.94	91529.89	96.05	91529.89
Sqm	0.00	-	640.30	25.44	16289.23	640.30	16289.23
Sqm	3664.50	23,306.22	0.00	6.36	0.00	3664.50	23306.22
Cum	95.16	375,359.57	63.35	3944.51	249884.71	158.51	625244.28
Cum	598.63	1,198,026.25	25.22	2001.28	50472.28	623.85	1248498.53

17	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete 30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to18:383-2016, with Superplastizer at 3 Its nforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades,textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
18	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
19	Providing and applying tack coat using 80/100 grade bitumen (VG10) on granular base such as WBM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
20	Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
21	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix towork site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.

Cum	0.00	-	253.61	5354.02	1357833.01	253.61	1357833.01
Sqm	0.00	-	2059.20	33.92	69848.06	2059.20	69848.06
Sqm	0.00	-	2059.20	21.20	43655.04	2059.20	43655.04
Sqm	0.00	-	2059.20	12.72	26193.02	2059.20	26193.02
Cum	0.00	-	102.96	7428.48	764836.30	102.96	764836.30

22	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision - do- using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
23	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
24	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
25	Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
26	Loading and Unloading of Stone Boulder / Stone aggregate / Sand Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
27	Cost of haulage Excluding Loading and Unloading etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
28	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. a) 40mm Jelly
	b) 20mm Jelly
	c) Coarse sand
	d) Fine Sand
	e) 12.5mm chips

Cum	0.00	-	82.37	8699.42	716571.23	82.37	716571.23
Nos	1083.10	472,058.30	1919.00	435.84	836376.96	3002.10	1308435.26
Sqm	0.00	-	537.95	84.80	45618.16	537.95	45618.16
Cum	0.00	-	1438.76	34.98	50327.82	1438.76	50327.82
Cum	0.00	-	361.87	57.00	20626.59	361.87	20626.59
Cum	0.00	-	1800.63	71.68	129069.16	1800.63	129069.16
Cum	0.00	-	0.868	1901.00	1650.07	0.87	1650.07
Cum	0.00	-	0.868	1901.00	1650.07	0.87	1650.07
Cum	0.00	-	0.651	2651.00	1725.80	0.65	1725.80
Cum	0.00	-	0.434	2651.00	1150.53	0.43	1150.53
Cum	0.00	-	0.651	1901.00	1237.55	0.65	1237.55

29	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.
30	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.

Certificate

1 Certified that the contractor has work done satisfactorily.
2 The contractor has removed the debries from work site.
3 There is no any dept. materials issued to contractor

Rmt	0.00	-	12.60	10822.32	136361.23	12.60	136361.23
Sqm	0.00	7199031=00	2.17	71.03	154.14	2.17	154.14
							125,52,469=00
Total Rs		**7198956.74**		**Total Rs**	**5353438.43**		**12552395.17**
GST 12%		**863874.81**		**GST 12%**	**642412.61**	1506297=00	**1506287.42**
KRIDL Charges		**287958.27**		**KRIDL Charges 4%**	**214137.54**	502098=00	**502095.81**
Grand Total		**8350789.81**		**Grand Total**	**6209988.58**		**14560778.39**
		8350876=00			62,09,988=00		1,45,60,864=00

Assistant Engineer
Ward No 12, Shettyhalli

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

8/3.